



Round Robin topics:

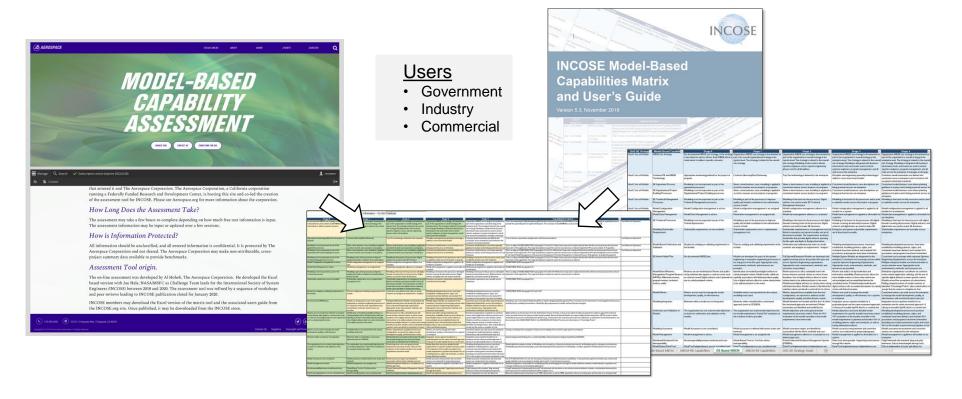
Model Based Capabilities Matrix – Evolution

Model Portfolio Management Guide - Adoption

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Model-Based Capabilities Matrix Assessments

- https://aerospace.org/mbca
 provides an on-line assessment as
 a corporate service to anyone for
 free, we have access to the data
 for benchmarking
- Al Hoheb, Aerospace, Joe Hale, NASA/MSFC (retired), developed and published the Model-Based Capabilities Matrix assessment tool and User's Guide through INCOSE



Model-Based Capabilities Matrix – Evolution Workshop



- The Model-Based Capabilities Matrix (MBCM) and User's Guide was INCOSE published in January 2020 and are available from the INCOSE Store
- The materials have been extensively used since late 2018
 - Extensively used as-is and also tailored by gov't and industry
 - Spawned INCOSE SERC SE Survey, AFMC Digital Campaign "Digital Maturity Metrics" program for the AF, versions adopted by USN and NASA
- After one year of use with the published versions users have a variety of ideas to use and update the materials
- Partnered with Michael Russell, The MITRE Corporation, a "super user," to conduct the workshop
- This workshop gathered user input, gather "pro tips" and to determine the need to update the published materials

Model Portfolio Management Guide



The Need

- Currently there is no guide or standard that addresses managing a collection of models
- Organizations score low on "Model Management" capabilities when assessed by the INCOSE Model-Based Capabilities Matrix
- The SERC SE Survey cited "Model Management" as a significant area of improvement
- Acquirers routinely ask for model management work and responding bidders have a range of responses

An interim solution

- The Aerospace Corporation wrote the "Model Portfolio Management (MPM) Guide" technical
 operating report TOR-202-01577, cleared for public release to serve organizations that would like to
 manage their collection of models and to serve as an solicitation reference document
- The TOR was written using the INCOSE style guide for documents
- The TOR is already been used as a reference for US government acquisitions

Proposed solution

- INCOSE to consider the MPM Guide TOR as the basis of an INCOSE guide
- The draft INCOSE Technical Performance Plan provides an approach to develop the INCOSE guide

MPM Guide Adoption Workshop Overview



Workshop Organizers

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Workshop Agenda

- Welcome, introductions and logistics Overview of the Tools Integration & Model Lifecycle Management (TIMLM) WG
- Overview of The Aerospace Corporation MPM Guide document Review of Candidate INCOSE Technical Procedure Plan
- Next Steps

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Model Portfolio Management Guide

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